



COMMAND, CONTROL,
COMMUNICATIONS, AND
INTELLIGENCE

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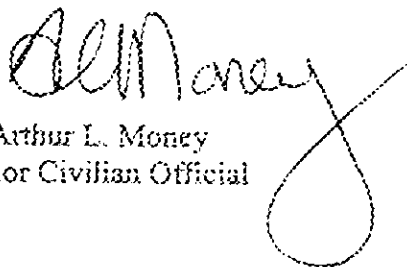
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MEMORANDUM FOR UNDER SECRETARY OF DEFENSE (ACQUISITION &
TECHNOLOGY)

SUBJECT: Section 912(c) Memorandum of Agreement (MOA) for the Establishment of the
Joint Command and Control Integration/Interoperability Group

6 The April 1, 1998 SECDEF Report to Congress, in response to Section 912 of the FY98
Defense Authorization Act, stated a study group would be formed for the establishment of a Joint
Command, Control and Communication (C3) Integrated System Development Process. The
attached Memorandum of Agreement (MOA) establishes the Joint Command and Control
Integration/Interoperability Group to implement the process recommended by the study group.

A final report of the study group will be provided to you by December 1, 1998.



Arthur L. Money
Senior Civilian Official

Attachment



MEMORANDUM OF AGREEMENT
BETWEEN

23 OCT 1998

THE U.S. ARMY COMMUNICATIONS-ELECTRONICS COMMAND,
THE ELECTRONIC SYSTEMS CENTER,
THE SPACE AND NAVAL WARFARE SYSTEMS COMMAND, AND
THE ASSISTANT SECRETARY OF DEFENSE FOR COMMAND, CONTROL,
COMMUNICATIONS AND INTELLIGENCE

SUBJECT: Establishment of the Joint Command and Control Integration/Interoperability Group

1. Purpose. The purpose of this memorandum of agreement (MOA) is to establish and outline the operating parameters of the Joint Command and Control Integration/Interoperability Group (JC2I2G).
2. Problem. Section 912 of the FY 98 Defense Authorization Act included several requirements pertaining to acquisition. In an April 1998 report to Congress responding to some of those requirements, the Secretary of Defense noted that "joint operations have been hindered by the inability of forces to share critical information at the rate and at the locations demanded by modern warfare." To attack this problem, the Secretary directed the creation of a study group to examine ways to establish a joint command, control and communication integrated system development process. The Assistant Secretary of Defense, Command, Control, Communications, and Intelligence (ASD/C3I) agreed that the commanders of the services' C3 systems development organizations/acquisition centers would form the study group. The study group included the Commanders of the Army's Communications-Electronics Command (CECOM), the Air Force's Electronic Systems Center (ESC), and the Navy's Space and Naval Warfare Systems Command (SPAWAR). They recommended the formation of the JC2I2G to further command and control integration and interoperability among the services. The Under Secretary of Defense (Acquisition and Technology) and the ASD/C3I approved the study group's recommendation.
3. Scope. The JC2I2G consists of the Commanders of CECOM, ESC and SPAWAR. The group's mission is to enhance the ability of the commanders in chief (CINC) of the nine unified commands and United Nations Command Korea to command and control joint forces. To do this, they will employ the resources of their respective commands and collaborate with/broker solutions among their services and DoD research laboratories, requirements developers, and program executive officers. In continuously seeking opportunities to advance the level of integration and interoperability across the full range of command, control, communications, computers, intelligence, surveillance, reconnaissance, electronic warfare, sensors, target acquisition products and systems, the group will:

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- a. Arrange for the acquisition of common products when these will satisfy service requirements and advance joint interoperability.
- b. Address the requirement for joint interoperability from the beginning of the system development process and achieve an interoperability yield throughout the system development and product improvement processes.
- c. Provide each CINC a focal point to solve interoperability problems and capitalize on interoperability opportunities.
- d. Provide each CINC with information on advances in technology to help them formulate their requirements.
- e. Provide each CINC with limited acquisitions and work to steer all associated efforts towards common solutions.
- f. Ensure that any proposed interoperability solutions and acquisitions are compliant with the Joint Technical Architecture and with the Defense Information Infrastructure Common Operating Environment.
- g. Support US Atlantic Command in its role as executive agent for joint warfighting experimentation.

4. Understandings and Agreements.

a. Operations. The JC2I2G will accomplish its mission and achieve its objectives through three CINC Interoperability Program Offices (CIPO), one at Fort Monmouth, one at Hanscom AFB and one at San Diego. Each CIPO will be comprised of CECOM, ESC and SPAWAR personnel and headed by an Army/Air Force colonel or Navy captain. A separate document describes the concept of operations of the CIPO. The JC2I2G will obtain horizontal integration across CINC through a distributed Joint Forces Program Office (JFPO), also staffed with CECOM, ESC and SPAWAR personnel and headed by a colonel/captain. A separate paper details the concept of operations of the JFPO. Connectivity between test beds, CECOM's Digital Integrated Lab, ESC's Command and Control Unified Battlespace Environment, and SPAWAR's Maritime Battle Lab will be the underpinning to stress test joint system interoperability, solutions, new concepts and technology.

b. Meetings and Reports. The JC2I2G will meet monthly and will provide quarterly progress reports to the ASD (C3I).

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c. Relationships and Authorities. The group reports to the ASD/C3I. Chairmanship of the JC2I2G initiates with the ESC Commander and rotates on an 18-month basis amongst the three commanders, or as directed by the ASD/C3I. The group provides overall direction to and receives reports/recommendations from the chiefs of the CPO and the JFPO. The local commander provides day-to-day direction to the chief at his installation. The JC2I2G maintains a dialogue with the CINC or the CINC's designated representative to ensure the group's efforts are meeting the CDNC's needs and to enlist the CINC's support for issue resolution.

d. Issue Resolution. The group will resolve all issues at the lowest possible level, involving appropriate stakeholders at each stage of the issue resolution process. All parties who will ultimately be impacted by a decision on an issue will be part of the process. The JC2I2G will identify open issues to the ASD/C3I and report progress. The group and associated stakeholders will present resolution options to the ASD/C3I for decision.

(1) The group employs the resources of their respective commands to act on recommendations of the CPO and JFPO and to resolve, at their level, interoperability issues under their control. When interoperability issues require involvement of Program Executive Offices/Program Managers for resolution, the group will use their existing relationships with the PEO/PM to achieve consensus and implement solutions. The JC2I2G will coordinate with the services' C4 chiefs and acquisition executives to address unresolved PEO-related issues. The group will elevate to the ASD/C3I issues which remain unresolved through this process.

(2) When interoperability issues require involvement of the services' requirements developers, the JC2I2G will use their existing relationships with those requirements organizations to achieve consensus and implement solutions. The group will coordinate with the service staff proponent before elevating to the ASD/C3I requirements issues which remain unresolved through this process.

e. The JC2I2G will maintain a dialogue with and an awareness of C2 interoperability activities/programs of other forums such as the Military Communications Electronics Board, the Joint Commanders Group - Communications Electronics, Defense Information Systems Agency, the Joint Staff, etc. to ensure the group's activities neither duplicate nor proceed at cross-purposes to those activities/programs.

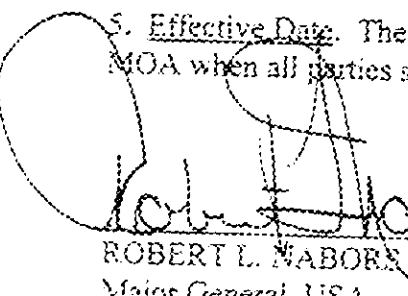
f. The JC2I2G will request, as appropriate, advisory and support services of various organizations structured to contribute to C2 integration/interoperability solutions.

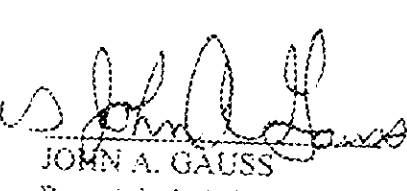
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g. As a technical common denominator among CECOM, ESC and SPAWAR and with an existing presence at the unified commands, the group may employ an FFRDC to play an integrating role in identifying, articulating and resolving joint C2 interoperability issues.


h. Resources. The JC2I2G will establish and fund the CIPO and the JFPO within the existing manpower and dollar resources of their respective commands until the requirement can be programmed in the Program Objective Memorandum cycle. The commander at each location will provide office space, furniture, supplies, equipment and an operating budget for the CIPO at his installation. The operating budget will include funds for extensive travel to unified commands, and to home station, among others. The ASD/C3I will redirect FFRDC resources, as necessary, to enable the group to obtain contractual support for joint integration and interoperability efforts.

5. Effective Date. The JC2I2G will commence formal operations as described in this MOA when all parties sign it or on 1 January 1999, whichever comes later.


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